

What is claimed is:

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1    1. Emergency support for stabilization of individual limbs or body parts for transport  
2    or performance of surgical-treatment measures, comprising a granulate-filled cushion (1)  
3    which is provided with a valve (2) for purposes of alternating evacuation and filling, and  
4    which allows at least partial surrounding of the limb or body part, made of two lengths of  
5    airtight, flexible material which are connected on their edges, characterized in that within the  
6    cushion interior which contains the granulate there are baffles or chokes (7) to prevent free  
7    granulate flow and thus to preserve the distribution of the granulate dictated by the  
8    application, and the cushion in the middle area of its outer surface which faces away from the  
9    body after application is provided with a Velcro strip border (8) as part of a Velcro-pile  
10   connector, for direct fixation on a solid structure which is provided with a pile border or for  
11   attachment of a magnetic, adhesive PVC or similar adhesive film which bears the pile border,  
12   with which film it can be fixed on a structure which has a corresponding surface, for example  
13   an operating table or a dentist's chair.

1    2. Emergency support as claimed in claim 1, wherein the lengths of the cushion are  
2    joined to one another in point or line form to narrow the flow cross section in its inner areas.

1    3. Emergency support as claimed in claim 1 or 2, wherein the cushion comprises  
2    thermoplastic material and its strips are joined to one another in point or line form by mutual  
3    welding.

1       4.     Emergency support as claimed in one of claims 1 to 3, wherein the cushion is divided  
2     by means of lateral, aligned notches (3, 4) into two segments, of which one is used to  
3     surround the skull and the other is used to surround the nape-neck area, and in the area  
4     between the notches (3, 4) it is provided with a cross sectional narrowing (7) which prevents  
5     free flow of the granulate.

1       5.     Emergency support as claimed in claim 4, wherein the cushion on its inside of the  
2     segment (6) which surrounds the nape-neck area and on the outside of the segment (5) which  
3     surrounds the skull is provided with Velcro or pile spots (9, 10, 12) of a Velcro-pile  
4     connector for detachable fastening of another auxiliary device which is provided with a  
5     corresponding opposite border, especially a chin support (14) and/or the filter system (17)  
6     of a respirator.

1       6.     Emergency support as claimed in claim 5, wherein to attach the filter system (17)  
2     there is a pile band (19) which is provided with a head cushion (18) and which can be fixed  
3     at corresponding pile spots (9) of the cushion (1), on which surface facing away from the  
4     head cushion (18) at least one band (20, 21) is sewn permanently on one side and a Velcro  
5     spot (22) is attached to fix the pile band or bands (20, 21) on the opposite side.

1       7.     Emergency support as claimed in claim 5, wherein the chin support (12) in its area  
2     underneath the chin plate (13) is provided with a window (14) for performing diagnostic or  
3     first aid measures.

1       8.     Emergency support as claimed in one of claims 1 to 3, wherein the cushion is formed  
2     by a mat of air-permeable material which is divided into closed fields in the manner of a quilt  
3     and which has a jacket which contains the closing valve 1.

1       9.     Emergency support as claimed in one of claims 1 to 8, wherein the cushion on the  
2     lateral edges of its outer surface is provided with several Velcro or pile band spots of a  
3     Velcro-pile connector.

1       10.    Emergency support as claimed in claim 8 or 9, wherein the cushion (26) has an  
2     essentially cruciform outline and is provided with side clips (29) which bear on their two  
3     surfaces on alternating sides Velcro and pile spots of a Velcro-pile connector.

1       11.    Emergency support as claimed in one or more of claims 1 to 10, wherein the solid  
2     structure is formed by a plastic, preferably Kevlar-Aramid, rescue plate or stretcher (32)  
3     which is coated with a pile border (31) and on which there are belts of a six-point belt (33)  
4     with a length which makes it possible to surround the cushion, including the supported  
5     patient, carrying loops (34), and a crane eye (35).

1       12.    Emergency support as claimed in claim 11, wherein the essentially cruciform thoracic  
2     support (26) and the rescue plate are provided with covers (41, 43) which bear the pile or  
3     Velcro border and which are connected or can be connected to one another, the cover (41)  
4     which surrounds the cruciform thoracic support bearing the side clips (42) which bear on  
5     their two surfaces on alternating sides Velcro and pile spots of a Velcro-pile connector, while

6       the cover (43) which surrounds the rescue plate has openings for passage of the belts (33),  
7       the carrying loops (34), the crane eye (35) and the pelvic cloth (36).

1       13.      Emergency support as claimed in claim 12, wherein the six-point belt (33) is provided  
2       with a central lock (37).

1       14.      Emergency support as claimed in one of claims 1 to 13, wherein the solid structure  
2       is formed by the shell (51) of a vehicle seat, for example a motor vehicle seat or an aircraft  
3       seat, or of a plate (52) which is connected to the shell (51) of a vehicle seat or which is  
4       integrated into it.

1       15.      Emergency support as claimed in claim 14, wherein the shell (51, 55) of the vehicle  
2       seat or the plate (52, 56) which is connected to it is provided with slits (57, 58) through  
3       which the belts (59) of the safety belt system installed permanently in the vehicle are guided,  
4       the belts on their part of the seat or of the plate facing away from the user being provided  
5       with fittings (60) which make it possible to fix the ends of the belt on the motor vehicle seat  
6       (55) or the plate (56) or to connect them to one another.

1       16.      Emergency support as claimed in claim 14 or 15, wherein the vehicle seat in the cases  
2       in which it is used as a whole as the solid structure of the rescue system, can be attached  
3       to the motor vehicle floor by means of quick-action closures and thus can be released without  
4       using tools.

- 1        17. Emergency support as claimed in claim 14 or 15, wherein to rescue the vehicle seat  
2        there is a lifting frame (63) which has a block (62) with a tackle line (64) which is guided via  
3        the block (61) and on which the vehicle seat is suspended in its entirety.

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